

# D

## Decommissioning Profile

As Listed Below

*[All wells are non-compliant with WAC 173-160 regulations]*

| Well Name  | Well ID # | Drilling Method, Drill Date, Pad/Posts | Drill Depth (ft bgs) | Last DTW/DTB (ft bgs) [Date]                              | Casing Size, Type, Screen Interval & Seals (ft bgs)                                                                                                                               | Purpose of Well [Variance]                      |
|------------|-----------|----------------------------------------|----------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 299-W19-91 | A4960     | Cable Tool<br>4/1987<br>Y/N            | 150                  | Dry/108.8<br>[03/2003]<br>{gravel pack inside of screen?} | 8" CS to 105 ft, grout seal 18 ft to surface, sand 105 to ?, bentonite top of sand to 18 ft, 8" telescoping screen, 10-slot 109 to 119 ft, SS blank 99 to 109 ft, 6" CS w/packer. | Monitor/<br>Sample<br>perched<br>water<br>[yes] |
| 299-W19-92 | A4961     | Cable Tool<br>4/1987<br>Y/N            | 150                  | Dry/122.3<br>[03/2003]                                    | 8" CS to 111 ft, grout seal 18 ft to surface, sand plug assumed, then bentonite to 18 ft, 8" telescoping screen, 10-slot, SS blank 101 to 113 ft, 6" CS w/packer @ 100.5 ft       | Monitor/<br>Sample<br>perched<br>water<br>[yes] |
| 299-W19-93 | A4962     | Cable Tool<br>4/1987<br>Y/N            | 120                  | Dry/113.5<br>[03/2003]                                    | 8" CS to 101 ft, grout seal 18 ft to surface, bentonite 85 to 18 ft, 8" telescoping screen 105 to 115 ft, 6" CS w/packer @ 95 ft                                                  | Monitor/<br>Sample<br>perched<br>water<br>[na]  |

**Note:** All three wells were completed in perched water and are FY 2003 decommissioning candidates.

1. File an Intent to Decommission" (Start Card) for each well with the Washington State Department of Ecology (WDOE) with copies to Fluor Hanford.

2. Conduct pre-job meetings as required.
3. If fill is below top of slotted screen intervals, set packer (with 10 ft tailpipe) in 8" casing ~10 ft above the top of the screen assembly and pump a wash solution consisting of 3 casing volumes\* of a maximum of 6 % (by volume) calcium chloride, followed by 2 casing volumes of potable water.  
(\* : 1 volume is the casing capacity between the packer and the top of fill/cement)
4. Using cement with 2 % bentonite, squeeze the zone to seal the 6 5/8" x 8" shoe area and screen interval. Squeeze pressure to be a minimum of 40 psi (maximum 100 psi) surface pressure, and maintain pressure for a minimum of 20 minutes.
5. Remove packer and tag cement. Re-wash/cement as necessary to achieve a plug back above the top of the 6 5/8" screen. Fill the 8" casing to ~1ft bgs with bentonite pellets/crumbles.
6. Remove the concrete pad, cut the casing flush with the ground surface, and remove the casing stub. Fluor Hanford will dispose of casing and concrete.
7. Top off cement in the casing until it remains full, and place a brass survey marker with the well name, ID number, and date embedded in the cement in the casing so that it remains visible for future site identification.
8. Complete a "Water Well Report" for each well and submit to WDOE with copies of the transmittal letter and each report to FH.

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